

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	636	B23D021/04.ipc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/16 17:11
L2	26	(tube and mandrel and axis and rotat\$4 and cut\$4 and speed).clm.	US-PGPUB; USPAT	OR	ON	2007/11/16 17:15
S1	1054	82/47,101,102,98.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/30 16:04
S2	40	82/53.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/25 17:27
S3	2	("5214988").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/04 14:10
S4	24	("0460317"   "1967374"   "2020113"   "3628406"   "3902387"   "3911797"   "3933090"   "4108034"   "4130036"   "4185348"   "4258613"   "4326438"   "4370140"   "4443212"   "4455746"   "4508531"   "4591405"   "4812172"   "4952202"   "5002523"   "5016507").PN. OR ("5214988").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/04 14:11
S5	20	("1709369"   "1726256"   "3292473"   "3298266"   "3808928"   "4245538").PN. OR ("4370140").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/04 14:14
S6	19	("2540166"   "2837156"   "3552254"   "3803966"   "3805654"   "3808923"   "4082022"   "4205569"   "4370140"   "4524656"   "4724733"   "4807502"   "4942796"   "5406870"   "5582538"   "6123000").PN. OR ("6295906").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/04 14:18
S7	20	("1936331"   "2340870"   "2612912"   "2630177"   "2947184"   "3178974"   "3776082"   "3800645"   "3869948").PN. OR ("4724733").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/04 14:20
S8	4	("3902387").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/04 15:52

## EAST Search History

S9	2	("3933090").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/04 15:52
S10	3	("4108034").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/04 15:53
S11	2	("3949632").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/04 15:54
S12	2	("5016507").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/04 15:54
S13	2	("5214988").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/04 15:54
S14	19	("2701014"   "2855627"   "3060774"   "3374697"   "3756108"   "3956953"   "3972257"   "4128027").PN. OR ("4205569").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/04 16:44
S15	19	("0771752"   "2412930"   "3195444"   "3263882"   "3946884"   "4205569"   "4306826"   "4426899"   "4456417"   "4510830"   "4631998"   "4635514"   "4641555"   "4889023"   "5890346"). PN. OR ("6752055").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/04 16:45
S16	1054	82/47,101,102,98.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/16 11:27
S17	0	S16 with (tub\$3 near rotat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 17:05
S18	35439	(tub\$3 near rotat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 17:05

## EAST Search History

S19	71	S18 and S16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 17:16
S20	2	("20040163512").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/05 17:19
S21	68463	feed adj1 roller	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 17:57
S22	4	S21 and S16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 17:22
S23	40	82/53.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 17:22
S24	0	S21 and S23	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 17:22
S25	72636	feed near roller	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 17:22
S26	7	S25 and S16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 17:23
S27	1096	advanc\$4 near S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 17:24
S28	6266	advanc\$4 near longitudinal\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 17:24

## EAST Search History

S29	2	S28 near S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 17:25
S30	49	S28 same S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 17:25
S31	9671	S21 and tub\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 17:26
S32	293	S21 and (cut\$3 near tub\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 17:57
S33	4	S16 and S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 17:27
S34	69	"82"/\$.ccls. and S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 17:28
S35	1197	(feed adj1 roller) same skew\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 17:58
S36	3	S35 and (cut\$3 near tub\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 17:58
S37	7	(feed adj1 roller) same (rotat\$3 near skew\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 18:07
S38	42	(feed adj1 roller) near skew\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 18:07

## EAST Search History

S39	39	S38 not S37	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 18:07
S40	57904	stop near (moving or movement or slid\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/06 09:26
S41	1054	82/47,101,102,98.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/06 09:26
S42	21	S40 and S41	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/06 09:26
S43	1060	QUIGLEY.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/08 16:11
S44	2	QUIGLEY-john.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/08 16:12
S45	2	("5214988").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/08 16:12
S46	10	("4302958"   "4437366"   "5383380"   "5543210"   "5555783").PN. OR ("6101910").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/08 16:52
S47	9	("3143014"   "3190158"   "4693149").PN. OR ("5555783").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/08 16:54
S48	21	("2701014"   "2855627"   "3060774"   "3374697"   "3756108"   "3956953"   "3972257"   "4128027").PN. OR ("4205569").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/08 17:09

## EAST Search History

S49	19	("0771752"   "2412930"   "3195444"   "3263882"   "3946884"   "4205569"   "4306826"   "4426899"   "4456417"   "4510830"   "4631998"   "4635514"   "4641555"   "4889023"   "5890346").PN. OR ("6752055").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/08 17:16
S50	25	("1367564"   "1424179"   "2287833"   "2416653"   "2452343"   "2473559"   "2737703"   "3267783").PN. OR ("3808928").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/08 18:16
S51	2	("20040163512").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/24 19:24
S52	2	("6520270").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/25 17:27
S53	2	("4354779").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/25 17:27
S54	1059	82/47,101,102,98.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/25 18:06
S55	15	S54 and mandrel with advantage\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/25 18:09
S56	1	S54 and die and mandrel with advantage\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/25 18:10
S57	13	S54 and die and mandrel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/25 18:10
S58	11	S54 and die same mandrel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/25 18:10

## EAST Search History

S59	2	S54 and (cutting adj die) same mandrel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/25 18:10
S60	1060	82/47,101,102,98.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/30 16:55
S61	23	("1905366"   "2213721"   "3415148"   "3701296"   "3733941"   "4090670"   "4096772"   "4134316"   "4338840"   "4417492"   "4727786"   "4738172"   "5054351"   "5133236"   "5199337"   "5531146"   "5551325"   "5601004"   "5896795").PN. OR ("6240819").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/30 16:55
S62	23	("1905366"   "2213721"   "3415148"   "3701296"   "3733941"   "4090670"   "4096772"   "4134316"   "4338840"   "4417492"   "4727786"   "4738172"   "5054351"   "5133236"   "5199337"   "5531146"   "5551325"   "5601004"   "5896795").PN. OR ("6240819").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/30 16:55
S63	2	("2213721").URPN.	USPAT	OR	ON	2007/05/30 17:02
S64	2	("2213721").URPN.	USPAT	OR	ON	2007/05/30 17:02
S65	2	("20040163512").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/05/30 17:22
S66	1062	82/47,101,102,98.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/16 11:28
S67	4	("4018112"   "4233867"   "5031492"   "5272945").PN. OR ("6568303").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/16 13:14
S68	24	("2536813"   "2600254"   "2607074"   "2699099"   "3670408"   "3911768"   "3933090"   "3949632"   "3955453"   "4003278"   "4299147"   "4591405"   "4631998"   "4645553"   "4693149"   "4693919"   "4706481"   "4713992"   "4748880"   "4827816").PN. OR ("5111721").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/16 13:34
S69	15	("2536813").URPN.	USPAT	OR	ON	2007/11/16 13:44

## EAST Search History

S70	17	("0437902"   "1654925"   "1848576"   "2376349"   "2580703"   "2615832"   "3506248"   "3926598").PN. OR ("4499033").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/16 13:47
-----	----	--	------------------------------	----	----	------------------